



SAFETY DATA SHEET

ZEROL® RFL 68EP

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Compilation date: 12/09/2012

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Revision No: 2.0

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: ZEROL® RFL 68EP

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Compressor lubricant.

1.3. Details of the supplier of the safety data sheet

Company name: Shrieve Products International Ltd
Suite 39, 40 Churchill Square,
Kings Hill, West Malling, Kent,
ME19 4YU, United Kingdom

Tel: +44 (0)1732 520600

Email: sds@shrieve.co.uk

1.4. Emergency telephone number

Emergency tel: 24 Hour NCEC: +44 (0)1865 407333.

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: Xn: R22

Classification under CLP: Acute Tox. 4: H302

Most important adverse effects: Harmful if swallowed.

2.2. Label elements

Label elements under CLP:

Hazard statements: * H302: Harmful if swallowed.

Signal words: * Warning

Hazard pictograms: * GHS07: Exclamation mark



Precautionary statements: * P301+312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

P330: Rinse mouth.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P501: Dispose of contents/container to hazardous or special waste collection point.

Label elements under CHIP:

[cont...]

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Hazard symbols: Harmful.



Risk phrases: R22: Harmful if swallowed.

Safety phrases: S46: If swallowed, seek medical advice immediately and show this container or label.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

*** Hazardous ingredients:**

POLY[OXY(METHYL-1,2-ETHANEDIYL)],.ALPHA.-METHYL-.OMEGA.-[(TETRAHYDRO-2-FURANYL)METHOXY]-

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	353291-27-7	Xn: R22	Acute Tox. 4: H302	60-80%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Flush the eye immediately with water. If discomfort persists, obtain medical attention.

Ingestion: If swallowed, do not induce vomiting. Never administer anything by mouth if a casualty is losing consciousness, is unconscious or is convulsing. Wash out mouth with water. If rapid recovery does not occur, obtain medical attention.

Inhalation: * Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: * None known.

Eye contact: There may be irritation and redness.

Ingestion: * Rinse mouth immediately then drink plenty of water. Seek immediate medical attention.

Inhalation: * None known.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: * Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Use water spray to cool containers.

[cont...]

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5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: * Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: * Avoid direct contact with the substance. Do not eat, drink or smoke when using this product. Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Store in cool, well ventilated area.

Suitable packaging: * We recommend storing in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

[cont...]

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Hand protection: Impermeable gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Impermeable protective clothing.

Environmental: Refer to specific Member State legislation for requirements under Community environmental legislation.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Yellow

Odour: Characteristic odour

Evaporation rate: * No data available.

Oxidising: * No data available.

Solubility in water: Slightly soluble

Kinematic viscosity: 68 mm²/s

Boiling point/range°C: * No data available.

Melting point/range°C: * No data available.

Flammability limits %: lower: * No data available.

upper: * No data available.

Flash point°C: >200°C

Part.coeff. n-octanol/water: * No data available.

Autoflammability°C: * No data available.

Vapour pressure: * No data available.

Relative density: 0.998 g/cm³ (typ)

pH: * No data available.

VOC g/l: * No data available.

9.2. Other information

Other information: Pour point °C: <-40 (typical).

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Sources of ignition. Flames. Heat.

10.5. Incompatible materials

Materials to avoid: * Oxidising agents. Reducing agents.

[cont...]

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10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

* Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	503	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	ING	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: * None known.

Eye contact: There may be irritation and redness.

Ingestion: * Rinse mouth immediately then drink plenty of water. Seek immediate medical attention.

Inhalation: * None known.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: * No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: * No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: * None known.

Section 13: Disposal considerations

[cont...]

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13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: * Storage of waste pending any of the other recovery operations (excluding temporary storage, pending collection, on the site where the waste is produced).

Waste code number: 13 02 06

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: * Global Chemical Inventories: EC (EINECS) - All components listed or exempt. US (TSCA) - All components listed or exempt. China (IECSC) - All components listed or exempt. Korea (KECI) - All components listed or exempt. Taiwan - All components listed or exempt.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

R22: Harmful if swallowed.

Legend to abbreviations: PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

[cont...]

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oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.